Sprint®

OWNER'S MANUAL

900 MHz Digital Cordless Telephone

Cat. No. 43-5515

SP-515

n Features

Your RadioShack SP-815 900 MHz Digital Cordless Telephone offers the latest advances in cordless phone technology. Its cordless operation lets you handle calls just about anywhere in your home or office. It comes complete with a spare battery charger that lets you keep a spare, fully charged battery on hand and ready for use in case the handset's battery runs low.

Its other features include:

900 MHz Digital Transmission — operates in the 900 MHz band, for a clearer signal that penetrates walls and other physical barriers better than conventional cordless telephones, with full digital transmission between the base and handset to eliminate static and interference.

40 Channels — automatically selects a clear channel when you make or answer a call. You can also manually change channels during a call.

20-Number Memory Dialing — lets you store 20 numbers in memory for easy dialing.

Volume Control — so you can adjust the volume you hear through the handset.

Redial — lets you quickly redial the last number dialed.

Touch-Tone/Pulse Dialing — lets you use your phone with tone or pulse service.

Power Outage Protection — automatically switches to battery back-up during a power outage, so you can continue using the phone.

Quick Charge — charges the handset battery in as little as 4 hours.

Memory Guard — protects the numbers you store in memory from loss when you charge the handset battery or even in the event of a power failure.

Security Access-Protection Code — changes each time you unplug the phone from AC power, to help prevent other cordless phone users from using your phone line while the handset is off the base.

Paging/Handset Locator System — lets you send a signal from the base to the handset to page someone or locate the handset when it is away from the base.

Hold — lets you put a call on hold, so you can answer another call or page someone.

Flash — sends an electronic switchhook signal for use with special phone services such as Call Waiting.

This telephone has been tested and found to comply with all applicable UL and FCC standards.

We recommend you record your phone's serial number here. The number is on the bottom of the base.

Serial Number: _____

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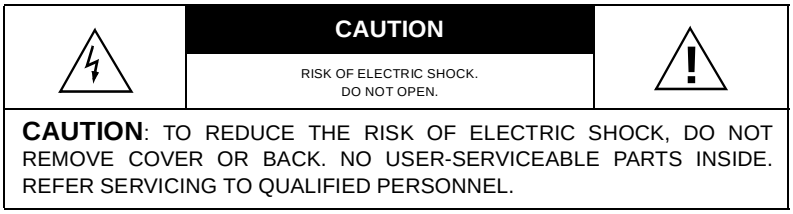
WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN.
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.

This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

Important: Cordless phones such as this one require AC power to operate. When the AC power is off, you cannot dial out or receive incoming calls using your SP-515. For this reason, the SP-515 cordless phone should not be your only telephone. To be safe, you should also have a phone that does not require AC power to operate (not a cordless phone) so you can still make and receive calls if there is an AC power failure.

Your SP-515 operates on standard radio frequencies, as allocated by the FCC. Therefore, it is possible for other radio units operating on similar frequencies, within a certain area, to inadvertently intercept your conversations and/or cause interference on your cordless telephone. This lack of privacy can occur with any cordless telephone.

READ THIS BEFORE INSTALLATION

Each device that you connect to the phone line draws power from the phone line. We refer to this power draw as the device's *ringer equivalence number*, or REN. The REN is on the bottom of the base.

If you are using more than one phone or other device on the line, add up all the RENs. If the total is more than five, your phone might not ring. In rural areas, a total REN of three might impair ringer operation. If ringer operation is impaired, remove a device from the line.

FCC STATEMENT

This telephone complies with Part 68 of *FCC Rules*. You must, upon request, provide the FCC registration number and the REN to your phone company. These numbers are on the bottom of the base.

Note: You must not connect your SP-515 to any of the following:

- coin-operated systems
- party-line systems
- most electronic key phone systems

n CONTENTS

Will add

n Installation

SELECTING A LOCATION

You can place the phone on a desk top or table, mount it on a standard wall plate, or mount it directly on the wall. Select a location that is:

- near an AC outlet not controlled by a wall switch
- near a telephone line jack
- out of the way of normal activities
- away from electrical machinery, electrical appliances, metal walls or filing cabinets, wireless intercoms, alarms, and room monitors

The base's location affects the phone's range. If you have a choice of several locations, try each to see which provides the best performance.

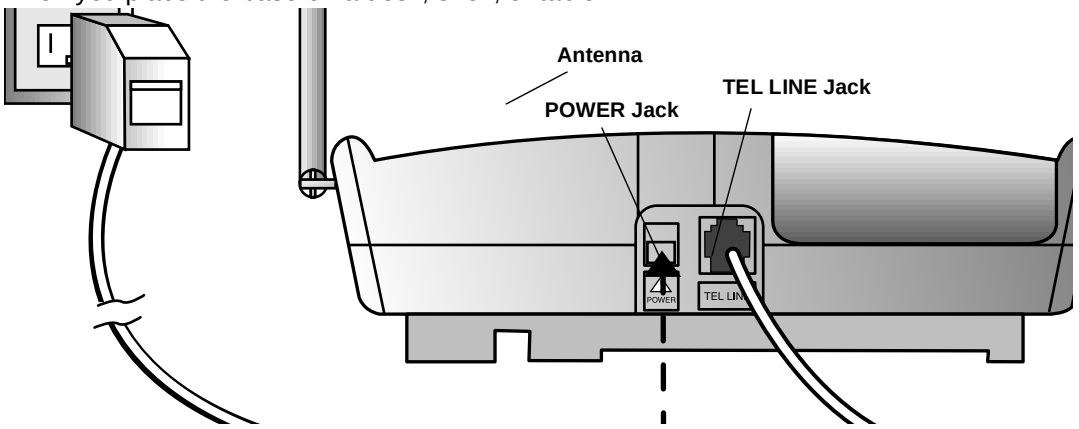
Caution: The supplied AC adapter was designed specifically for your SP-515. Use only the supplied adapter.

Notes:

- Your telephone connects directly to a modular telephone line jack. If your phone line jack is not a modular jack, you can update the wiring yourself, using jacks and adapters available at your local RadioShack store. Or, you can let the phone company update the wiring for you.
- The USOC number of the jack to be installed is RJ11C (RJ11W for a wall plate).

PLACING THE BASE ON A DESK TOP

Follow these steps when you place the base on a desk, shelf, or table.



1. Plug one end of the supplied long modular cord into the **TEL LINE** jack on the back of the base.
2. Insert the supplied AC adapter's barrel plug into the **POWER** jack on the back of the base.
3. Plug the modular cord's other end into a modular phone line jack.
4. Plug the adapter into a standard AC outlet.
5. Raise the base's antenna to a vertical position.

MOUNTING THE BASE ON A WALL

Note: To mount the base directly on the wall, you need two screws (not supplied) with heads that fit into the keyhole slots on the bottom of the base. Drill two holes $3^{15}/_{16}$ inches (100 mm) apart, one above the other. Then thread a screw into each hole, letting the heads extend about $^{5}/_{16}$ inch (7 mm) from the wall.

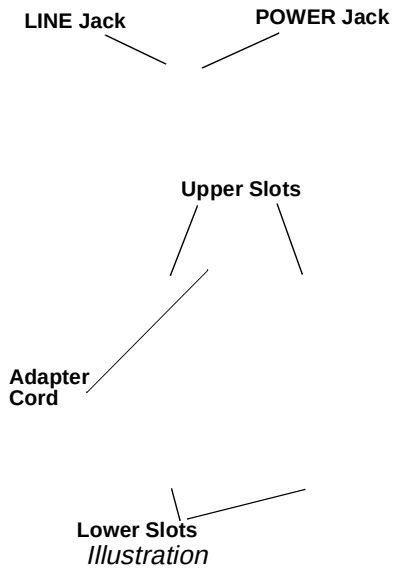
1 Remove the bracket by pressing on the arrows and gently pulling out the wide end of the bracket.

Illustration

2 Plug one end of the supplied modular cord into the **LINE** jack. Route the modular cord through the curved channel on the bottom of the base. Then wrap any excess modular cord around the two crescent-shaped tabs in the mounting bracket. Plug the supplied AC adapter's barrel plug into the **POWER** jack on the back of the base. Route the adapter cord through the straight channel on the bottom of the base.

3 Insert the tabs on the narrow end of the bracket into the upper slots on the bottom of the base. Insert the loose end of the modular cord through the center of the bracket. Route the end of the adapter cord through the opening on the wide end of the bracket. Then push the tabs on the wide end of the bracket into the lower slots on the bottom of the base.

4 Plug the modular cord's other end into the wall plate jack (or a modular phone line jack), align the base's keyhole slots with the wall plate studs (or the screws in the wall), and slide the base downward to secure it.



Illustration

5 Plug the adapter into a standard AC outlet. Fully extend the base's antenna and raise it to a vertical position.

Illustration - adapter to outlet and antenna to vertical

INSTALLING AND CHARGING THE BATTERY PACK

The SP-515 is packaged with a rechargeable nickel-cadmium battery pack. Before using your phone, you must install the battery pack and then charge it for 10 hours.

1 Press down and slide off the compartment cover. Plug the battery pack connector into the phones socket. The connector fits only one way. Replace the cover.

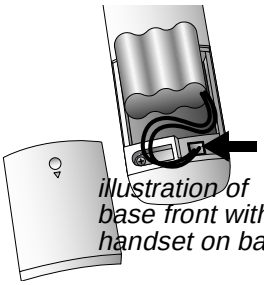


illustration of base front with handset on base

To charge the battery pack, simply place the handset on the base. The CHARGING indicator on the base lights.

Note: You can place the handset on the base faceup or facedown.

Recharge the battery pack when: the LOW BATT indicator on the handset flashes, the phone beeps four times when you press **PHONE**, the LOW BATT indicator is on when the phone is off, or the phone does not operate when you press **PHONE**.

Illustration of handset

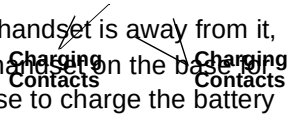
Notes:

2 When you first use the phone after charging or recharging the battery pack, the phone might not work and you might hear a two-beep signal when you press **TALK**. If this happens, return the handset to the base for about 15 seconds. This resets the security access protection code.

2 If the CHARGING indicator does not light when you place the handset on the base, be sure the battery pack and AC adapter are correctly and securely connected.

Also, check the charging contacts on the handset and the base. If the contacts are dirty or tarnished, clean them with a pencil eraser.

Illustration of charging contacts on handset and bas



2 If the battery pack gets completely discharged or the base loses power while the handset is away from it, the security access-protection code needs to be reset. To reset the code, place the handset on the base for about 15 seconds. If it was the handset that lost power, leave the handset on the base to charge the battery pack.

2 If the battery pack gets weak during a call, the handset sounds 4 beeps every 30 seconds. If this happens, you cannot make another call on the phone until you recharge the battery pack.

2 About once a month, fully discharge the battery pack by keeping the handset off the base until the LOW BATT indicator lights. Otherwise, the battery pack loses its ability to fully recharge.

2 If you are not going to use your phone for an extended period of time, disconnect the battery pack. This increases the battery pack's usable life.

2 The supplied battery pack should last for about a year. When it loses its ability to fully recharge, order a replacement battery pack from your local RadioShack store (see "Replacing the Handset battery pack" on Page 24).

n Preparation

SETTING THE DIALING MODE

Set the dialing mode for the type of service you have. If you are not sure which type you have, once the battery pack is fully charged, do this test.

1 Lift the handset, then press **PHONE** and listen for the dial tone.

Illustration of handset

2 Press any number other than **0**.

Note: If your phone system requires that you dial an access code (9, for example) before you dial an outside number, do not press the access code either.

If the dial tone stops, you have touch-tone service. Since the phone is preset to touch-tone service, you do not to make any change to the dialing mode.

If the dial tone continues, you have pulse service. Press **PHONE PROG/MEM # # # 3**.

If your phone is set for pulse service and you want to change the dialing mode to touch-tone service, press **PHONE PROG/MEM # # # 8**.

SETTING THE DAY AND TIME

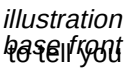
You can use the handset as well as the keys on the base to operate the TAD. To use the handset, simply press **ANS SYS** to access the TAD before beginning each procedure. The ANS SYS indicator lights and the TAD announces the number of messages then beeps twice.

Follow these steps to set the day and time so the TAD can record the correct information when each message and memo is received.

Note: If you do not complete each step within 20 seconds, the TAD sounds two beeps and exits setup. Start again at Step 1.

1 Press **CHANGE** then **CLOCK**. A number from **1**–**7** (the day of the week, with **1** being Sunday) appears on the message counter window and the TAD announces the currently set day.

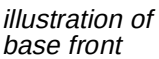
illustration of base front



Note: The TAD's message counter window might also alternately show other information to tell you the status of the TAD.

2 Press ◀◀ **REPEAT/SCAN** or **SKIP/SCAN** ▶▶ as instructed by the voice prompts.

illustration of base front



3 When you complete setting the day and time, the TAD announces the day and time then beeps twice.

To check the current day/time at any time, press **CLOCK**.

ANNOUNCEMENT OPTIONS

Before using the SP-515, you can record an announcement (up to three minutes long) that callers hear when the system answers a call.

If you do not record a personalized outgoing message, the TAD plays *Hello. Please leave a message after the tone*.

Hint: Do not tell callers that you are out of town or not home. Instead, say that you cannot come to the phone right now.

Follow these steps to record your announcement.

1 Press **CHANGE**, then press **ANNC** until the TAD announces “Record the announcement after the tone. Press **STOP** when you are done.”

illustration of base front

2 The message counter displays the length of the announcement in seconds. Your announcement can be up to three minutes long.

3 Speak your message from about 9 inches in front of the TAD.

4 When you finish, press **STOP**. The TAD beeps and plays back the announcement.

To hear the announcement, press **ANNC** at any time. **AP** (announcement playing) appears and the message plays.

Changing Your Recorded Announcement

To change your recorded announcement, simply record a new announcement over the existing one.

To delete your recorded announcement and return to the prerecorded announcement, press **DELETE** while the announcement is playing. **dE** appears briefly.

illustration of base front

REVIEWING THE TAD SETTINGS

To hear all feature settings, press **SET UP** once.

SETTING THE NUMBER OF RINGS

The TAD is preset to sound four rings before it answers the first call. Use ring select to set how many times the phone rings before the system answers. You can set it for 1 to 7 rings, or to **SA** for Toll-Saver.

To change the ring select setting, press **CHANGE** then repeatedly press **SET UP** until you hear “Number of rings is …” and follow the voice prompt instructions. Press **STOP** when you are done.

Note: If you plan to check your messages by long distance, set the number of rings to at least four to avoid unnecessary long distance charges when you call to check your messages (see “Using the Toll-Saver” on Page 20).

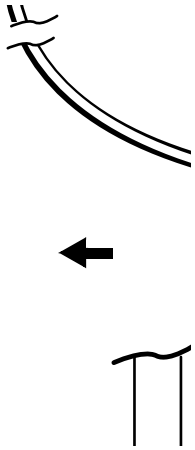
CHANGING THE REMOTE ACCESS CODE

The remote access feature allows you to access the answering system from a touch-tone phone. The remote access code is preset to 500, but you can change it to any three-digit number from 500 to 999.

To change the remote access code, press **CHANGE** then repeatedly press **SET UP** until you hear "Remote access code is …" and follow the voice prompt instructions. Press **STOP** when you are done.

SETTING THE HANDSET'S RINGER

You can turn off the handset's ringer by setting **RINGER** on the side of the handset to **OFF**. Turn it back on by setting **RINGER** to **ON**.

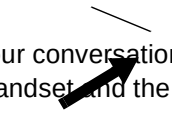


n Telephone Operation

MAKING AND RECEIVING A CALL

To make a call, lift the handset and press **PHONE**. When the PHONE indicator lights steadily and you hear the dial tone, dial a phone number or memory number (see “Memory Dialing” on Page 13).

Illustration of front of base



To answer a call if the handset is on the base, simply lift the handset and begin your conversation. Or, if the handset is away from the base, press **PHONE** first. The PHONE indicator on the handset and the IN USE indicator on the base light.

Note: If **RINGER** is set to **OFF**, you must press **PHONE** to answer a call.

To end a call, place the handset on the base or press **PHONE** The indicator turns off.

Notes:

2 If you press **PHONE** to hang up and the phone does not disconnect, move closer to the base then press **PHONE** again, or place the handset on the base.

2 If you want to make a call but the handset is out of the base’s range, the handset beeps twice. Move the handset closer to the base and try again.

SETTING THE HANDSET’S VOLUME

You can select any of three volume levels by repeatedly pressing **VOLUME** during a call. Three short beeps sound when the handset is at the highest setting. If you press VOLUME again, the handset returns to the lowest setting.

Illustration of handset

CHANGING THE CHANNEL

The SP-515 scans 25 channels (frequency pairs used between the base and the handset) and automatically selects a clear channel each time you make or receive a call.

If you hear other conversations or excessive noise during a call, press **CHANNEL** on the handset to select a different channel.

Illustration of handset

Note: If the handset is too far from the base, the channel might not change. Move closer to the base and try again.

USING REDIAL

You can quickly redial the last number dialed. Simply lift the handset and press **PHONE**. When you hear the dial tone, press **REDIAL**.

Illustration of handset

Notes:

- The redial memory holds up to 16 digits, so you can redial long-distance as well as local numbers.
- We recommend you not use **REDIAL** to dial numbers that include a tone entry. This could result in a wrong number being dialed. (See “Using Tone Services on a Pulse Line” on Page 12.)
- The redial memory does not store a flash entry or any digits entered after you press **FLASH** (see “Using Flash” on Page 12).

USING FLASH

FLASH performs the electronic equivalent of a switchhook operation for special services, such as Call Waiting.

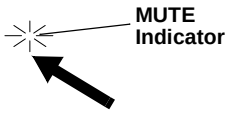
For example, if you have Call Waiting, press **FLASH** to answer an incoming call without disconnecting the current call. Press **FLASH** again to return to the first call.

Illustration of handset

Note: If you do not have any special phone services, pressing **FLASH** might disconnect the current call.

USING MUTE

To talk to someone else in the room without the person on the other end of the phone line hearing your conversation, press **MUTE** during the call. The MUTE indicator on the handset lights.



To resume your phone conversation, press **MUTE** again.

Illustration of handset

USING TONE SERVICES ON A PULSE LINE

Some special services, such as bank-by-phone, require tone signals. If you have pulse service, you can still use these special tone services by following these steps.

1. Dial the service’s main number.
2. When the service answers, press **TONE/✳**. Any additional numbers you dial are sent as tone signals.
3. After you complete the call, return the handset on the base or press **PHONE.** The phone automatically resets to pulse dialing.

USING PAGE

You can use the SP-515 as a pager between the base and the handset. This is useful if the handset is away from the base and you want to locate it, or if you want to page the person with the handset.

Illustration of front of base

To page the person who has the handset or to locate the handset when the phone is not in use, press **PAGE/HANDSET LOCATOR**. The handset beeps briefly. If you want the handset to beep for

a longer time, hold down **PAGE/HANDSET LOCATOR** for about 4 seconds. The handset beeps for about 3 minutes.

To stop the handset from beeping before it automatically stops, press **CHANNEL** on the handset or **PAGE/HANDSET LOCATOR** on the base.

MEMORY DIALING

You can store up to 10 numbers (up to 16 digits each) in memory, then dial a stored number by pressing **PROG/MEM** and one of the number buttons.

Storing a Number in Memory

Notes:

- If the dialing mode is set for pulse service and you want to use tone dialing for a memory number, you must store a tone as the first entry of the number (see “Using Tone Services on a Pulse Line” on Page 12).
- Do not store a number with both pulse and tone entries in the same memory location. This could result in a wrong number being dialed.
- Each pause (see “Entering a Pause” on Page 13) and tone entry uses one digit of memory.
- To keep your accounts secure, we recommend you do not store your personal access code for services such as bank-by-phone in a memory location.
- An error tone sounds and the phone exits the programming mode if you wait more than 15 seconds between each keypress or enter more than 24 digits. You must start over at Step 1.

Follow these steps to store a number in memory.

1. Press **PROG/MEM** when the handset is not in use.

Illustration of handset

2. Enter the number you want to store. (To store the last number you dialed, simply press **REDIAL**.)

   If you enter a wrong digit, press **DELETE** to delete the last entered digit. Then enter the correct digit.
3. Press **PROG/MEM** then any number button (0–9) for the memory location. The SP-515 beeps three times.

Note: If you receive a call while you are storing information in memory, press **PHONE** to answer the call. After the call, begin again at Step 1.

To replace a stored number, simply store a new one in its place.

Entering a Pause

In some telephone systems, you must dial an access code (9, for example) and wait for a second dial tone before you can dial an outside number. You can store the access code with the phone number. However, you should also store a pause after the access code to allow the outside line time to connect. To do so, hold down the number immediately preceding the pause until you hear a second beep. (For example, if 9 is your access

code, hold down 9 until you hear a second beep.) This enters a 1.5-second pause. For a longer pause, hold down the number key until you hear additional beeps.

Dialing a Memory Number

Press **PHONE**. When you hear the dial tone, press **PROG/MEM**, then the number button (0–9).

Chain-Dialing Service Numbers

For quick recall of numbers for special services (such as alternate long distance or bank by phone), store each group of numbers in its own memory location.

When calling special services, dial the service's main number first. Then at the appropriate place in the call, press **PROG/MEM**, then enter the number for the location where the additional information is stored.

Testing Stored Emergency Numbers

If you store an emergency service's number (police department, fire department, ambulance) and you choose to test the stored number, make the test call during the late evening or early morning hours to avoid peak demand periods. Remain on the line to explain the reason for your call.

n TAD Operation

This section describes TAD operation at the base, but you can also operate the TAD using the handset or another phone while you're away from home (see "Using Remote Commands" on Page 20).

SETTING THE TAD TO ANSWER CALLS

To set the TAD to answer calls, press **ON/OFF**. The TAD announces "The machine is on" and the number of recorded messages appears.

To set the TAD to not answer calls, press **ON/OFF**. The TAD announces "The machine is off" and beeps twice.

Illustration of front of base

Note: Even when the TAD is set to not answer calls, it answers after 10 rings. This is handy for emergency or unexpected calls.

INCOMING MESSAGE RECORDING

When the TAD is set to answer calls, it plays the announcement, then beeps. The caller can then record a message up to 3 minutes long.

When the TAD is set to not answer calls, a caller can still leave a message by pressing # when the TAD answers. When the TAD is set to answer calls, pressing # stops the announcement and lets the caller leave a message.

The TAD stops recording and resets to answer the next call when:

- the caller hangs up
- the maximum message length is reached
- there are more than 7 seconds of silence

If the TAD's memory is full, **F** (full) and the number of recorded messages alternately appear, and it answers after 10 rings and announces "Memory is full."

Notes:

- The maximum total of all stored messages is 12 minutes or 99 messages.
- Many local phone companies use calling party control (CPC) to signal that the caller has hung up. Your TAD is designed to recognize a CPC signal and releases the line. If the TAD records phone company messages or dial tones, your local phone company probably does not use CPC.

SCREENING CALLS

To screen calls, let the TAD answer them, then listen to the caller's message through the TAD's speaker.

If you decide to answer the call, press **PHONE** on the handset or pick up any phone on the same phone line as the TAD. The TAD stops recording and resets to answer the next call.

If you do not want to take the call, simply let the TAD finish recording the caller's message.

Note: If you answer the phone just as the TAD answers, the TAD might not stop playing the outgoing message. If this happens, press **STOP**.

If you want to screen calls using the handset, press **ANS SYS** and listen to the caller's message through the handset.

If you decode to answer the call, press **PHONE**. If you do not want to take the call, press **ANS SYS** and let the TAD finish recording the caller's message.

PLAYING MESSAGES

The TAD's message counter window shows the total number of messages, both old and new. If there are new messages, the PLAY indicator flashes.

To play all the messages press **PLAY**. The TAD plays each message after it announces the day and time it was recorded.

Illustration of front of base

To play only new messages, hold down **PLAY** for about 2 seconds. The TAD displays the number of each new message and plays it.

After all messages play, the TAD says, "End of messages."

To replay a message during playback, press **REPEAT**. The current message starts again from the beginning.

To replay part of a message during playback, hold down **REPEAT** then release to resume playback.

To return to a previous message, hold down **REPEAT** until you see the desired message number.

To skip to the next message, press **SKIP**.

To quickly advance a message, hold down **SKIP**. The playback speed increases, allowing you to quickly scan a message or move to any place within it. To resume normal playback, release **SKIP**.

To stop playback at any time, press **STOP**. The TAD beeps and resets to answer calls.

DELETING MESSAGES

To delete the current message during playback, press **DELETE**. The TAD beeps, then plays the next message (or announces “End of messages”).

To delete all messages after playback, hold down **DELETE** until dE appears in the message counter window. The TAD says “Messages deleted” and sounds a long beep to confirm that all messages are deleted.

Note: The TAD does not delete unplayed messages. If you have not played all of the messages, the TAD sounds an error tone and does not delete any messages.

RECORDING A MEMO

A memo is a message you can record at the TAD for yourself or others. Memos are stored with incoming messages, and are replayed the same way (see “Playing Messages” on Page 16).

Follow these steps to record a memo.

Press **MEMO**. and begin speaking in a normal voice after the beep. The display counts up the recording time.

The TAD automatically stops recording after 3 minutes, or you can press **STOP** when you finish the memo. The TAD beeps once, and the message number indicator increases by one.

Illustration of front of base

RECORDING A CONVERSATION

Follow these steps to record both sides of a conversation (up to 3 minutes long) using the handset.

Important: This unit does not sound warning beeps to let the other party know that the call is being recorded. It is illegal in some areas to record a conversation without the consent of all parties to the conversation, including the phone company. Check the laws in your area before you use the two-way recording feature.

Press **ANS SYS** then #. The ANS SYS indicator lights.

Illustration of handset

The TAD records until:

- the maximum message length is reached
- you press **STOP** (**5**).
- there is an 8-second busy signal or 7 seconds of silence
- the TAD's memory becomes full

Conversations are stored with incoming messages and are replayed the same way (see "Playing Messages" on Page 16).

n Remote Operation

While you are away from your home or office, you can use a touch-tone phone or a pulse (rotary) phone with a pocket tone dialer to enter your remote operation security code and do any of the following:

- set the TAD to answer calls
- listen to your messages
- record a new announcement
- record a memo
- delete messages

Note: You cannot remotely operate the TAD from another phone on the same line as your SP-515.

You can also use your SP-515 handset to operate many of the TAD features.

USING THE TOLL-SAVER

If the ring select switch is set to **SA** (toll-saver) (see “Setting the Number of Rings” on Page 9), the TAD answers after two rings if you have new messages. If there are no new messages, the TAD waits for four rings before it answers. This gives you time to hang up before the TAD answers so you can avoid unnecessary long-distance charges.

USING REMOTE COMMANDS

Whether you are using the handset or calling from a touch-tone phone, you press the same buttons to operate the TAD. The only difference is the way you connect with the answering system.

From a remote touch-tone phone:

Dial your phone number. When the TAD answers, enter your remote access code. The TAD announces the number of messages and beeps twice to confirm that you entered the correct code.

Notes:

- If you do not enter each digit of the remote access code within 8 seconds, the TAD hangs up.
- If the TAD is not set to answer calls or the memory is full, it will answer after 10 rings.

From the handset:

Press **ANS SYS**. The ANS SYS indicator lights. The TAD announces the number of messages and beeps twice.

After connecting with the TAD, enter a remote command (see “Remote Commands” on Page 21), or press **5** to hear voice prompts, or wait until the TAD begins playing all messages (after about 4 seconds).

When you finish, simply hang up (remote phone) or press **ANS SYS** (SP-515’s handset).

Remote Commands

Press:	To:
0	Hear TAD On/Off status.
1	Play all messages. If no message is recorded, the TAD says “No messages.”
2	Play new messages. If no new message is recorded, the TAD says, “No new messages.”
3 3	Delete all played messages.
5	Stop message playback or recording.
7	Play currently selected announcement.
8	Hear date and time setting.
9	Hear TAD ring selection and remote access code settings.
#	Record a memo. When you finish, press **5**.
✳ **0**	*Set the TAD to not answer calls:* The TAD says “The machine is off” and beeps twice. *Set the TAD to answer calls:* The TAD answers after 10 rings and says “The machine is off” and beeps twice. Press ✳ **0**. The TAD says “The machine is on” and beeps twice.
✳ **7**	Record new announcement. After the TAD beeps, speak your message. When you finish, press **5**. The TAD plays your new announcement and beeps twice.
✳ **8**, then follow voice prompts	Set date and time.
✳ **9**, then follow voice prompts	Change ring selection and remote access code.

While playing messages:

Press:	To:
3	Delete current message.
4	Replay message. Each time you press **4**, the TAD backs up one message. Or, hold down **4** to return to a particular spot within a message and release it to resume playback at that spot.
5	Stop message playback.
6	Skip to next message. Or, hold down **6** to skip to a particular spot within a message and release it to resume playback at the spot.

n Troubleshooting

We do not expect you to have any problems with your SP-515, but if you do, the following suggestions might help.

Problem	Suggestion
The handset does not work.	Move the handset closer to the base.
	Be sure the phone line cord and AC adapter are correctly and securely connected.
	Be sure the battery pack is connected and charged.
	Fully extend and raise the base's antenna to a vertical position.
	Return the handset to the base for 15 seconds, then try again.
	If these suggestions do not solve the problem, try resetting the security code:
	2 Place the handset on the base and make sure the CHARGING light is on. Wait 15 seconds, then pick up the handset and press **PHONE**. The phone should operate properly. If it does not, try the next step.
	2 Unplug the AC adapter from the outlet. Wait 15 seconds, then plug the AC adapter back in. Place the handset on the base and make sure the CHARGING light is on. Wait 15 seconds, then pick up the handset and press **PHONE**. The phone should operate properly. If it does not, try the next step.
	2 Remove the handset battery pack. Wait 15 seconds, then reinstall it. Place the handset on the base and wait 15 seconds. Pick up the handset and press **PHONE**. The phone should operate properly.
Volume drops or you hear unusual sounds.	Someone has picked up another phone on the same line. Hang up the other phone.
Call is noisy.	Do not place the base near appliances or large metal objects.
	Fully extend and raise the base's antenna to a vertical position.
	Move the handset closer to the base.
	Keep the handset away from interference sources such as computers, remote control toys, wireless alarm systems, wireless intercoms and room monitors, fluorescent lights, and electrical appliances. If the interference is severe, turn off the interfering device.
	Press **CHANNEL** to switch to another channel.
	Hang up and redial the number.
The phone does not ring.	Be sure the handset ringer is set to **ON**.
	Be sure the base ringer is on.
	Be sure the phone line cord and AC adapter are correctly and securely connected.
	Move the handset closer to the base.
	There might be too many devices connected to the phone line. Remove a device from the line.
The handset's range decreases.	Fully extend and raise the base's antenna to a vertical position.
	Return the handset to the base to recharge the battery pack.
	Be sure the base's antenna is not touching a metal surface.

Problem	Suggestion
Receiver sound flutter or fades.	Be sure the battery pack is charged.
	Fully extend and raise the base's antenna to a vertical position.
	Move the handset closer to the base.
Can receive calls, but cannot make calls.	Set **T/P** correctly for the type of service you have (see "Setting the Dialing Mode" on Page 7).

If you still have problems, disconnect the phone. If other phones on the same line work properly, the fault is in this phone or its installation. If you cannot find the problem, take your SP-515 to your local RadioShack store for assistance.

n Care and Maintenance

Your SP-515 900 MHz Digital Cordless Telephone is an example of superior design and craftsmanship. The following suggestions will help you care for your phone so you can enjoy it for years.

Keep the phone dry. If it gets wet, wipe it dry immediately. Liquids can contain minerals that corrode the electronic circuits.

Handle the phone gently and carefully. Dropping it can damage circuit boards and cases and cause the phone to work improperly.

Use and store the phone only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.

Keep the phone away from dust and dirt which can cause premature wear of parts.

Wipe the phone with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean your phone.

Modifying or tampering with the phone's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your phone is not performing as it should, take it to your local RadioShack store for assistance. If the trouble is affecting the phone lines, the phone company might ask you to disconnect your phone until you have resolved the problem.

REPLACING THE HANDSET BATTERY PACK

If you follow the instructions in "Installing and Charging the Battery Pack" on Page 6, the battery pack should last about one year. If the battery pack does not hold a charge for more than 2 hours after an overnight charge, replace the battery pack with a new 3.6 volt, 700 milliamp battery pack. You can order a replacement battery pack through your local RadioShack store.

Follow the directions in "Installing and Charging the Battery Pack" on Page 6 to install and charge the new battery pack.

Cautions:

- You must use a replacement battery pack of the same size and type.
- Dispose of the battery pack promptly and properly. Do not bury or burn it.
- Always remove old or weak batteries. Batteries can leak chemicals that can destroy electronic parts.

If you have trouble replacing the battery pack, take the phone to your local RadioShack store for assistance.

Important: This product contains a rechargeable nickel cadmium battery pack. At the end of the battery pack's useful life, it must be recycled or disposed of properly. Contact your local, county, or state hazardous waste management authorities for information on recycling or disposal programs in your area. Some options that might be available are: municipal curb-side collection, drop-off boxes at retailers such as your local RadioShack store, recycling collection centers, and mail-back programs.

THE FCC WANTS YOU TO KNOW

In the unlikely event that your phone causes problems on the phone line, the phone company can temporarily discontinue your service. If this happens, the phone company attempts to notify you in advance. If advance notice is not practical, the phone company notifies you as soon as possible and advises you of your right to file a complaint with the FCC.

Also, the phone company can make changes to its lines, equipment, operations, or procedures that could affect the operation of this telephone. The telephone company notifies you of these changes in advance, so you can take the necessary steps to prevent interruption of your telephone service.

Your phone might cause TV or radio interference even when it is operating properly. To determine whether your phone is causing the interference, turn off your phone. If the interference goes away, your phone is causing the interference. Try to eliminate the interference by:

- moving your phone away from the receiver
- connecting your phone to an AC outlet that is on a different electrical circuit from the receiver
- contacting your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using your phone.

Some cordless telephones operate on frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR.

LIGHTNING

Your telephone has built-in lightning protection to reduce the risk of damage from surges in telephone line and power line current. This lightning protection meets or exceeds FCC requirements. However, lightning striking the telephone or power lines can damage your telephone.

Lightning damage is not common. Nevertheless, if you live an area that has severe electrical storms, we suggest that you unplug your phone during storms to reduce the possibility of damage.

Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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